[ABSTRACT]

A negative-working heat-sensitive material for making a lithographic printing plate by direct-plate-making is described. The material comprises on the same side of a lithographic base having a hydrophilic surface, an oleophilic recording layer and a cross-linked hydrophilic upper layer which is applied from an aqueous solution of a sulfonic acid, sulfuric acid, phosphoric acid or phosphonic acid. Materials according to the invention are characterized by an increased water-acceptance in the non-printing areas which allows a rapid start-up of the press.